

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2003/000232

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: A61K 38/01, 38/17, 6/00; A61P 19/08, 1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI, Medline: casein, phosphoprotein, calcium, magnesium, iron, zinc, copper, cross link

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	O'Sullivan, M.M. "Influence of transglutaminase treatment on some physico-chemical properties of milk" Journal of Dairy Research (2002) 69 p433-442	1-38, 42,43
X	Aboumahmoud, R. et al "Crosslinking of Whey Protein by Transglutaminase" J. Dairy Science (1990) 73, p256-263 Pages 257 & 259	1-38, 42,43
X	Aoki, T. et al "Caseins are cross-linked through their ester phosphate groups by colloidal calcium phosphate" Biochimica et Biophysica Acta (1987) 911, p238-243	1-38, 42,43
X	Zhang, Z. P. "Behaviour of Calcium and Phosphate in Artificial Casein Micelles" J. Dairy Science (1996) 79, p 1722-1727	1-38, 42,43
X	Aoki, T. "The Least Number of Phosphate Groups for Crosslinking of Casein by Colloidal Calcium Phosphate" J. Dairy Science (1992) 75: p971-975. Pages 971, 974.	1-38, 42,43

☐ Further documents are listed in the continuation of Box C

☐ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
26 February 2004

Date of mailing of the international search report
- 8 MAR 2004

Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer
G.J. McNEICE
Telephone No : (02) 6283 2055